

CHEMIST II

DISTINGUISHING FEATURES

The fundamental reason the Chemist II position exists is to conduct all analysis performed on water and wastewater in respective fields (Inorganic, Metals, Organic or Microbiology) and ensure that all methodologies conform to federal and state regulations. The Chemist II position does not supervise, but may assist or instruct a Chemist I. The Chemist II position is distinguished from the Chemist I position by the higher level of skills, abilities and experience required for this position. This position reports to the Senior Chemist.

ESSENTIAL FUNCTIONS

Any or all of the following duties are required to fulfill the Chemist II position.

Responsibilities may include compliance reporting to the Arizona Department of Environmental Quality and Maricopa County, creating the quarterly sampling schedule and maintaining status of all POE compliance schedules.

Analyzes compliance and operations samples as dictated by present and future regulations, including Water Quality, Pretreatment and Superfund programs.

May act as lead worker for all Chemist I and assign work.

Plans for future, expanded testing services and budget preparation.

Provides training and gives input to the Senior Chemist on performance evaluations. Participates in 100% peer data review.

Maintains all Quality Control records for the department in accordance with federal and state regulations and Laboratory Quality Assurance Manual.

Provides technical support to other Water Resources personnel.

Analyzed samples for microbiological, inorganic, organic and metals parameters using classical chemistry, IC, TOC, ICP, GC, GC/MS, or GFAA per EPA or Standard Methods. Performs any required sample prep.

Prepares and/or submits compliance reports to meet requirements for the county, state and federal agencies.

Sample Receipt, sample management, sub-contracting and bottle prep.

Interprets analysis results and informs supervisor or proper agency if problem exists.

Keeps current with all new methods, rules and regulations and implement new requirements.

Performs routine trouble shooting and maintenance of instruments. Keeps maintenance records.

Participates in annual state audit. Participate in audits of contract laboratories.

Installs all instruments and performs method development for new methods.

Responsible for following and promoting all safety procedures.

Performs other related duties as required.

MINIMUM QUALIFICATIONS

Knowledge, Skills, and Abilities

Knowledge of:

Laboratory technique and protocols for chemical or microbiological analysis of water and wastewater samples, or the management of samples and data reporting.

Must know, understand and follow QC requirements for each analytical method.

Ability to:

Work occasional weekend and emergency work.

Produce written documents with clearly organized thoughts.

Establish and maintain effective working relationships with co-workers, supervisors, and the general public.

Enter data or information into a terminal, PC or other keyboard device.

Communicate effectively both verbally and in writing.

Listen and communicate effectively with a diverse group of people.

Prioritize own work tasks and complete work within specified time periods and deadlines.

Education & Experience

Any combination of experience and training equivalent to at least 3 years performing analysis or other related functions in an environmental laboratory and a Bachelor's degree in chemistry, microbiology or related field. Experience with microbiology, IC, ICP, GFAA, TOC, GC, GC/MS or sample control and project management required. Must have extensive knowledge of laboratory technique and protocols for chemical and microbiological analysis of water and wastewater samples or the management of samples and data reporting. Must know, understand and follow QC requirements for each analytical method.

No major driving citations in the last 39 months for all driving positions.

FLSA Status: Exempt

HR Ordinance Status: Unclassified